



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/070,241
Source: PCT/10
Date Processed by STIC: 9/12/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/070,241

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) 3-7 missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,241

DATE: 09/12/2002

TIME: 16:05:59

Input Set : A:\EP.txt

Output Set: N:\CRF4\09122002\J070241.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Takeda Chemical Industries, Ltd.

W--> 4 <120> TITLE OF INVENTION: Novel G Protein Coupled Receptor Protein and Its Use

W--> 5 <130> FILE REFERENCE: 2633WO0P

C--> 6 <140> CURRENT APPLICATION NUMBER: US/10/070,241

C--> 6 <141> CURRENT FILING DATE: 2000-08-24

6 <150> PRIOR APPLICATION NUMBER: JP 11-241530

7 <151> PRIOR FILING DATE: 1999-08-27

W--> 8 <160> NUMBER OF SEQ ID: 7

W--> 9 <210> SEQ ID NO: 1

10 <211> LENGTH: 431

11 <212> TYPE: PRT

12 <213> ORGANISM: Human

W--> 13 <400> SEQUENCE: 1

14	Met	Gln	Ala	Leu	Asn	Ile	Thr	Pro	Glu	Gln	Phe	Ser	Arg	Leu	Leu	Arg
15	1				5					10					15	
16	Asp	His	Asn	Leu	Thr	Arg	Glu	Gln	Phe	Ile	Ala	Leu	Tyr	Arg	Leu	Arg
17				20					25					30		
18	Pro	Leu	Val	Tyr	Thr	Pro	Glu	Leu	Pro	Gly	Arg	Ala	Lys	Leu	Ala	Leu
19			35					40					45			
20	Val	Leu	Thr	Gly	Val	Leu	Ile	Phe	Ala	Leu	Ala	Leu	Phe	Gly	Asn	Ala
21		50					55					60				
22	Leu	Val	Phe	Tyr	Val	Val	Thr	Arg	Ser	Lys	Ala	Met	Arg	Thr	Val	Thr
23	65					70				75				80		
24	Asn	Ile	Phe	Ile	Cys	Ser	Leu	Ala	Leu	Ser	Asp	Leu	Leu	Ile	Thr	Phe
25				85						90				95		
26	Phe	Cys	Ile	Pro	Val	Thr	Met	Leu	Gln	Asn	Ile	Ser	Asp	Asn	Trp	Leu
27				100					105					110		
28	Gly	Gly	Ala	Phe	Ile	Cys	Lys	Met	Val	Pro	Phe	Val	Gln	Ser	Thr	Ala
29			115					120					125			
30	Val	Val	Thr	Glu	Ile	Leu	Thr	Met	Thr	Cys	Ile	Ala	Val	Glu	Arg	His
31		130					135					140				
32	Gln	Gly	Leu	Val	His	Pro	Phe	Lys	Met	Lys	Trp	Gln	Tyr	Thr	Asn	Arg
33	145					150					155			160		
34	Arg	Ala	Phe	Thr	Met	Leu	Gly	Val	Val	Trp	Leu	Val	Ala	Val	Ile	Val
35				165						170				175		
36	Gly	Ser	Pro	Met	Trp	His	Val	Gln	Gln	Leu	Glu	Ile	Lys	Tyr	Asp	Phe
37			180					185						190		
38	Leu	Tyr	Glu	Lys	Glu	His	Ile	Cys	Cys	Leu	Glu	Glu	Trp	Thr	Ser	Pro
39		195					200						205			
40	Val	His	Gln	Lys	Ile	Tyr	Thr	Thr	Phe	Ile	Leu	Val	Ile	Leu	Phe	Leu
41		210					215					220				
42	Leu	Pro	Leu	Met	Val	Met	Leu	Ile	Leu	Tyr	Ser	Lys	Ile	Gly	Tyr	Glu
43	225				230					235				240		

pg 2-3

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Input Set : A:\EP.txt

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44 Leu Trp Ile Lys Lys Arg Val Gly Asp Gly Ser Val Leu Arg Thr Ile
 45 245 250 255
 46 His Gly Lys Glu Met Ser Lys Ile Ala Arg Lys Lys Lys Arg Ala Val
 47 260 265 270
 48 Ile Met Met Val Thr Val Val Ala Leu Phe Ala Val Cys Trp Ala Pro
 49 275 280 285
 50 Phe His Val Val His Met Met Ile Glu Tyr Ser Asn Phe Glu Lys Glu
 51 290 295 300
 52 Tyr Asp Asp Val Thr Ile Lys Met Ile Phe Ala Ile Val Gln Ile Ile
 53 305 310 315 320
 54 Gly Phe Ser Asn Ser Ile Cys Asn Pro Ile Val Tyr Ala Phe Met Asn
 55 325 330 335
 56 Glu Asn Phe Lys Lys Asn Val Leu Ser Ala Val Cys Tyr Cys Ile Val
 57 340 345 350
 58 Asn Lys Thr Phe Ser Pro Ala Gln Arg His Gly Asn Ser Gly Ile Thr
 59 355 360 365
 60 Met Met Arg Lys Lys Ala Lys Phe Ser Leu Arg Glu Asn Pro Val Glu
 61 370 375 380
 62 Glu Thr Lys Gly Glu Ala Phe Ser Asp Gly Asn Ile Glu Val Lys Leu
 63 385 390 395 400
 64 Cys Glu Gln Thr Glu Glu Lys Lys Lys Leu Lys Arg His Leu Ala Leu
 65 405 410 415
 66 Phe Arg Ser Glu Leu Ala Glu Asn Ser Pro Leu Asp Ser Gly His
 67 420 425 430

68 <210> SEQ ID NO: 2

69 <211> LENGTH: 1293

70 <212> TYPE: DNA

71 <213> ORGANISM: Human

W--> 72 <400> SEQUENCE: 2

C--> 73 atgcaggcgc ttaacattac cccggagcag ttctctcggc tgctgcggga ccacaacctg 60
 74 acgcgggagc agttcatcgc tctgtaccgg ctgcgaccgc tcgtctacac ccagagctg 120
 75 ccgggacgcg ccaagctggc cctcgtgctc accgcgctgc tcattctcgc cctggcgtc 180
 76 ttggcaatg ctctggtgtt ctacgtggtg accgcagca agccatgcg caccgtacc 240
 77 aacatcttta tctgtctcct ggcgctcagt gacctgtcga tcacctctt ctgcattccc 300
 78 gtcaccatgc tccagaacat ttcgacaac tggctggggg gtgctttcat ttgcaagatg 360
 79 gtgccatttg tccagtctac cgtgtgtgtg acagaaatcc tcaatgtgac ctgcattgct 420
 80 gtggaaaggc accagggaact tgtgcaccc tttaaaatga agtggcaata caccaccca 480
 81 agggctttca caatgctagg tgtggtctgg ctggtggcag tcactgtagg atcaccatg 540
 82 tggcaagctg aacaacttga gatcaaatat gacttccat atgaaaagga acacatctgc 600
 83 tgcttagaag agtggaccag cctgtgcac cagaagatct acaccacct catccttgct 660
 84 atcctcttcc tctgctctct tatggtgatg ctattctgt acagtaaaat tggttatgaa 720
 85 ctttgataa agaaaagagt tgggatggt tcagtgttc gaactattca tggaaaagaa 780
 86 atgtccaaaa tagccaggaa gaagaaacga gctgtcatta tgatggtgac agtgggtgct 840
 87 ctctttgctg tgtgctgggc accattccat gttgtccata tgatgattga atacagtaat 900
 88 ttggaaaagg aatatgatga tgtcacatc aagatgatt ttgctatcgt gcaattatt 960
 89 ggattttcca actccatctg taatccatt gctatgcat ttatgaatga aaacttcaaa 1020
 90 aaaaatgttt tgtctgcagt ttgttattgc atagtaaata aaacctctc tccagcacia 1080
 91 aggcattgaa attcaggaat tacaatgat cggaagaaag caaagtttc cctcagagag 1140
 92 aatccagtgg aggaaccaa aggagaagca ttcagtgatg gcaacattga agtcaaattg 1200

all bases
must

be in

lower-case

letters,

if sequence
Listing is
in "new"

sequence
rules
format

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,241

DATE: 09/12/2002

TIME: 16:05:59

Input Set : A:\EP.txt

Output Set: N:\CRF4\09122002\J070241.raw

93 tgtgaacaga cagaggagaa gaaaaagctc aaacgacatc ttgctctctt taggtctgaa 1260
 94 ctggctgaga attctccttt agacagtggg cat 1293
 95 <210> SEQ ID NO: 3
 96 <211> LENGTH: 37
 97 <212> TYPE: DNA
 98 <213> ORGANISM: Artificial Sequence
 W--> 99 <220> FEATURE:
 100 <223> OTHER INFORMATION: *← see item 11 on Error Summary Sheet*
 W--> 101 <400> SEQUENCE: 3
 C--> 102 tgtcagcatg caggcgctta acattacccc ggagcag 37 *← use lower-case letters for bases*
 103 <210> SEQ ID NO: 4
 104 <211> LENGTH: 37
 105 <212> TYPE: DNA
 106 <213> ORGANISM: Artificial Sequence
 W--> 107 <220> FEATURE:
 108 <223> OTHER INFORMATION: *see item 11*
 W--> 109 <400> SEQUENCE: 4
 C--> 110 gactagttta atgcccactg tctaaaggag aattctc 37
 111 <210> SEQ ID NO: 5
 112 <211> LENGTH: 22
 113 <212> TYPE: DNA
 114 <213> ORGANISM: Artificial Sequence
 W--> 115 <220> FEATURE:
 116 <223> OTHER INFORMATION:
 W--> 117 <400> SEQUENCE: 5
 C--> 118 caatgctagg tgttgtctgg ct 22
 119 <210> SEQ ID NO: 6
 120 <211> LENGTH: 22
 121 <212> TYPE: DNA
 122 <213> ORGANISM: Artificial Sequence
 W--> 123 <220> FEATURE:
 124 <223> OTHER INFORMATION:
 W--> 125 <400> SEQUENCE: 6
 C--> 126 gatctcaagt tgttgacgt gc 22
 127 <210> SEQ ID NO: 7
 128 <211> LENGTH: 26
 129 <212> TYPE: DNA
 130 <213> ORGANISM: Artificial Sequence
 W--> 131 <220> FEATURE:
 132 <223> OTHER INFORMATION:
 W--> 133 <400> SEQUENCE: 7
 C--> 134 tggcagtcac cgtaggatca cccatg 26

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/070,241

DATE: 09/12/2002

TIME: 16:06:00

Input Set : A:\EP.txt

Output Set: N:\CRF4\09122002\J070241.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:270 C: Current Application Number differs, Replaced Current Application No
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:8 M:283 W: Missing Blank Line separator, <160> field identifier
L:9 M:283 W: Missing Blank Line separator, <210> field identifier
L:13 M:283 W: Missing Blank Line separator, <400> field identifier
L:72 M:283 W: Missing Blank Line separator, <400> field identifier
L:73 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=2
L:99 M:283 W: Missing Blank Line separator, <220> field identifier
L:101 M:283 W: Missing Blank Line separator, <400> field identifier
L:102 M:112 C: (48) String data converted to lower case,
L:107 M:283 W: Missing Blank Line separator, <220> field identifier
L:109 M:283 W: Missing Blank Line separator, <400> field identifier
L:110 M:112 C: (48) String data converted to lower case,
L:115 M:283 W: Missing Blank Line separator, <220> field identifier
L:117 M:283 W: Missing Blank Line separator, <400> field identifier
L:118 M:112 C: (48) String data converted to lower case,
L:123 M:283 W: Missing Blank Line separator, <220> field identifier
L:125 M:283 W: Missing Blank Line separator, <400> field identifier
L:126 M:112 C: (48) String data converted to lower case,
L:131 M:283 W: Missing Blank Line separator, <220> field identifier
L:133 M:283 W: Missing Blank Line separator, <400> field identifier
L:134 M:112 C: (48) String data converted to lower case,